

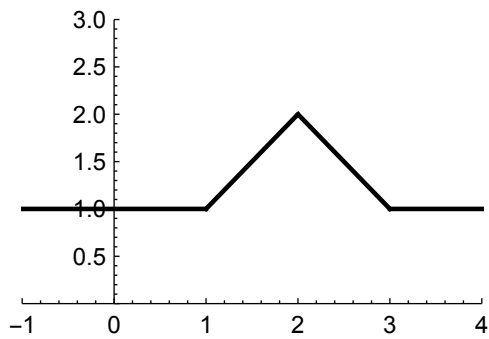
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Math 1520 – Quiz 1 Name: \_\_\_\_\_

(10) 1. Write the equation for the tangent line to  $f(x) = \sqrt{x}$  at the point  $(64, 8)$ .

(10) 2. Use the fundamental theorem of calculus to evaluate  $\int_0^1 x^5 dx$ .

(10) 3. The function  $f$  is shown below.



Evaluate  $\int_0^3 f(x) dx$ .